



**US Army Corps
of Engineers.**
Philadelphia District

Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No. ^{Date}
CENAP-OP-R-200600781-39

JUN 13 2006

Application No. File No.

In Reply Refer to:
REGULATORY BRANCH

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: New Jersey Department of Environmental Protection

AGENT: New Jersey Department of Environmental Protection
Division of Engineering and Construction
1510 Hooper Avenue
Toms River, NJ 08753

WATERWAY: Barnegat Bay

LOCATION: Block 1.02, Lot 1; in the Borough of Seaside Heights, Ocean County, New Jersey.

ACTIVITY: The applicant proposes to replace an existing deteriorated timber bulkhead, rehabilitate and extend an existing stone revetment, and perform beach replenishment within the Borough. Approximately one hundred five (105) linear feet of an existing bulkhead would be replaced at its present location. Fill material will be removed behind the existing bulkhead, then the existing structure will be removed, and replaced at its current location. Treated timber whalers and corrugated composite sheeting material would be used to construct the bulkhead. Land based equipment would be used to construct the bulkhead.

A "T" shaped timber dock is currently attached to the existing bulkhead. The existing pier would be detached from the existing bulkhead and then would be reattached to the proposed bulkhead. No additional changes to the existing pier are proposed at the site.

Adjacent to and east of the bulkhead, approximately fifty (50) linear feet of an existing stone revetment would be rehabilitated, and extended approximately ninety five (95) linear feet, in a northeasterly direction along the shoreline. Stone would be placed at the site using standard construction equipment based on-shore. Approximately one thousand eighty nine (1089) square feet of the waterway, waterward of the high tide line, would be impacted by the repair/extending of the revetment. Existing asphalt debris would be removed from the site.

Approximately five hundred (500) linear feet south of the above referenced work site, a four hundred fifty (450) linear foot stretch of the shoreline would have sand placed within the waterway to reestablish the public beach. Sand, with a similar grain and composition to the existing beach material, would be brought to the site using dump trucks. Approximately thirty two hundred (0.32) acre of the waterway, waterward of the high tide line, would be impacted by the placement of sand at the site. No dredging operations would be performed at either site. The site does not contain shellfish resources as shown on the map entitled "Distribution of Shellfish Resources Atlantic Coast of New Jersey, Manasquan Inlet to Little Egg Harbor, Plate III", prepared by the US Fish and Wildlife Service, dated January 1963. Submerged aquatic Vegetation has been noted in the area of the project area during previous permit actions by this office.

PURPOSE: The applicant's stated purpose is to prevent further erosion adjacent to an existing municipal parking area and recreational area. The beach is being reestablished to allow for recreational use of the public.

A preliminary review of this application indicates that the proposed work would not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and

welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work should be submitted, in writing, within 15 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

Review of the National Register of Historic Places indicates that no registered properties or properties listed as eligible for inclusion therein are located within the permit area of the work.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). A preliminary assessment of the species listed in the "Guide to Essential Fish Habitat Designations in the Northeastern United States, Volume IV: New Jersey and Delaware", dated March 1999, specifically page 20 indicates that the work may have an adverse effect on Winter Flounder (Psudopleuronectes americanus). This determination is made based on fill be placed in areas where this species may spawn, and eggs and the larval stages of this species may be present. A seasonal restriction on in-water work may be placed in any Department of the Army Permit issued by this office to ensure that impacts to EFH, and the species of concern will be minimal. This determination may be modified based on consultation with the National Marine Fisheries Service.

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a

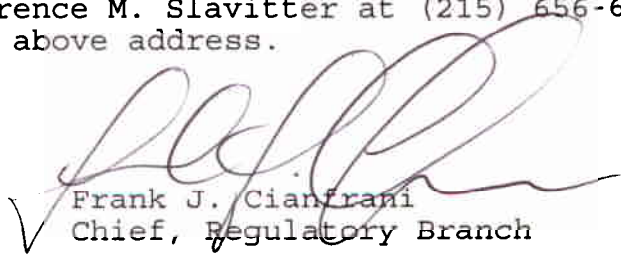
State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed and/or existing activity on the State's coastal zone should be sent to this office, with a copy to the State's Office of Coastal Zone Management.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling Lawrence M. Slavitter at (215) 656-6734 or writing this office at the above address.



Frank J. Cianfrani
Chief, Regulatory Branch

BARNEGAT BAY

WETLAND FLAGGING DELINEATED BY ENVIRONMENTAL EVALUATION GROUP AND LOCATED BY O'DONNELL, STANTON-1.06 & ASSOC. INC. DATED 2/19/04.

EXIST. 50 LF CONCRETE RUBBLE REVETMENT TO REMAIN. ADD STONE AS NEEDED TO MAINTAIN UNIFORM SLOPE OF REVETMENT. ANY AREAS VOID OF CONCRETE RUBBLE SHALL BE FILLED WITH STONE. REMOVE AND REPLACE DELETERIOUS MATERIAL (i.e. ASPHALT) WITH REVETMENT STONE.

TAPER REVETMENT TOE FROM MLWL TO MHWL

EXTEND REVETMENT FOOTING TO BB LINE

RETVEMENT FOOTING TO MEET EXISTING CONCRETE RUBBLE

95 LF PROPOSED STONE REVETMENT

TOE OF REVETMENT (MLWL EL -0.37')

REMOVE 25 LF EXISTING TIMBER BULKHEAD REPLACE W/ BULKHEAD SHEET PILING.

25' PROP. BULKHEAD SHEET PILING BOTTOM BAY -0.34

TIMBER RAILING IN DISREPAIR (TYP)

STATE PLANE COORDINATE SYSTEM NAD83
N=405869.3326
E=610008.7350
ELEV= 3.23

EX. 36" CMP (3 EA.)

MHW -1.10
WLF 3.71

MLW -1.09
MHW
WLF 1.35
HTL .81
TB 5.50

MHW
WLF 1.82
HTL .81
TB 4.53

MLW -1.09
MHW
WLF 0.99
HTL .81
TB 3.26

MLW -1.08
MHW
WLF 0.84
HTL .81
TB 3.57

MLW -1.05
MHW
WLF 0.44
HTL .81
TB 3.88

MLW -1.04
MHW
SHTL
TBH 2.60
TB 2.43
TB 3.62

PLAN

SCALE IN FEET
20 10 0 20

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ENGINEERING & CONSTRUCTION
BUREAU OF COASTAL ENGINEERING
PROJECT NO. 4160-04

NORTH BAYSIDE IMPROVEMENT PROJECT
BULKHEAD & STONE REVETMENT PLAN
BOROUGH OF SEASIDE HEIGHTS
COUNTY OF OCEAN

DWN. BY: B.M.C.

SCALE: AS SHOWN

DATE: MAY 3, 2006

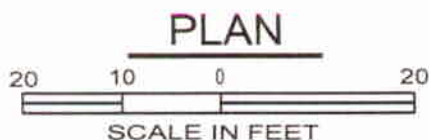
SHEET 2 OF 11

APPROVED BY

Benjamin Kiser
Supervising Engineer

MATCH OVERLAP, SEE SHEET 3

MATCH OVERLAP, SEE SHEET 2



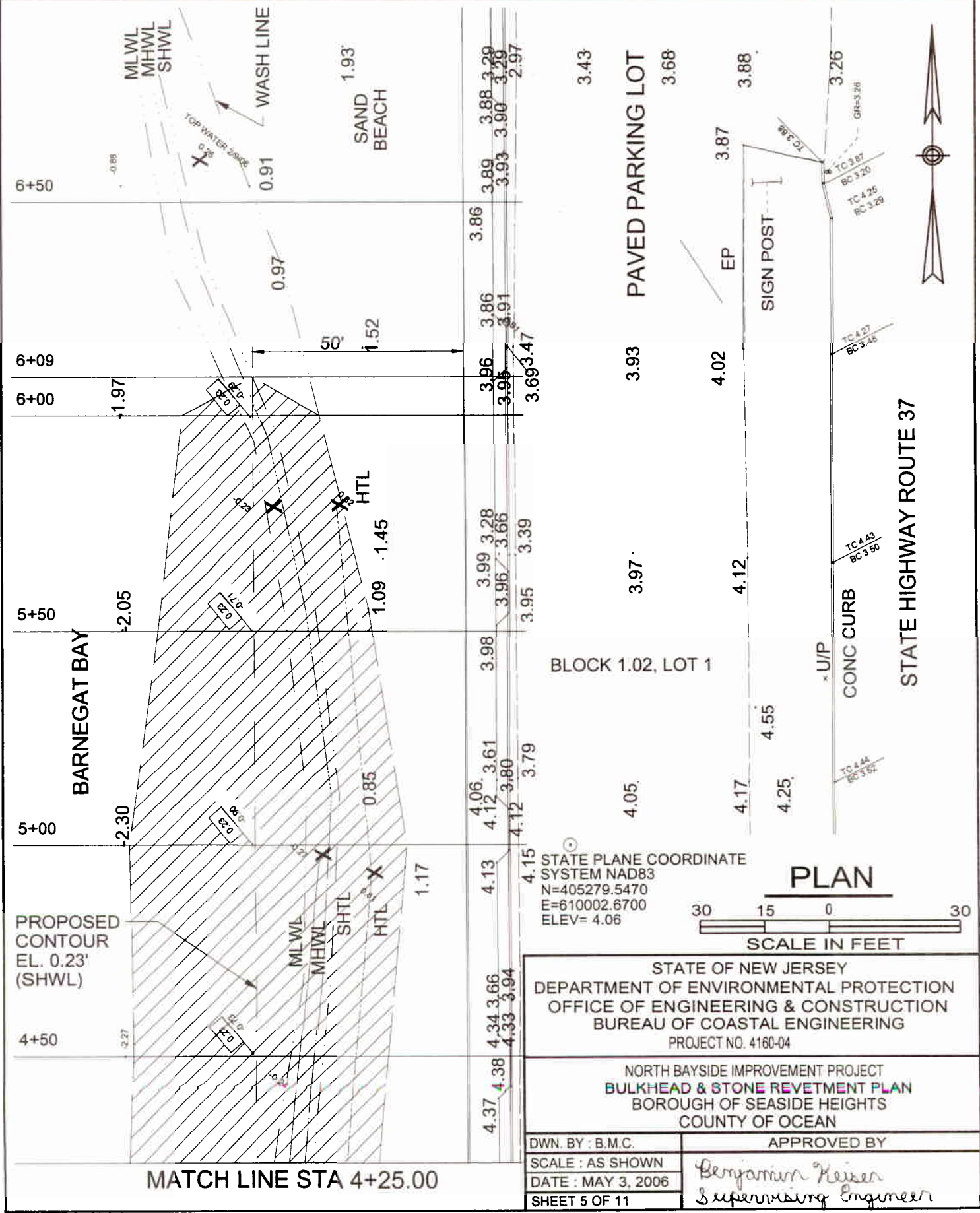
Benjamin Keiser.
Supervising Engineer

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SCALE IN FEET

Benjamin Keiser,
Supervising Engineer



2" X 6" TIMBER CAP SOUTHERN YELLOW PINE GRADE No. 1 (0.6 lbs CCA PRESSURE TREATED) INSTALL CAP IN BOARDWALK STYLE. PROVIDE 1" OVERHANG FRONT AND BACK OF BULKHEAD. NAIL TO WALERS WITH 2-16d HOT DIPPED GALV. NAILS, FRONT AND BACK.

NUT AND O.G. WASHER COUNTERSUNK (TYP.)

6" X 6" TIMBER WALE (2.5 lbs CCA PRESSURE TREATED)

SHTL EL. 0.23'
MHW EL. 0.00'
MLW EL. -0.37'

BAY BOTTOM EL. -1.4' ±

1-1/8" DIA WEEP HOLE 6" ABOVE SHTL 10" o/c (TYP)

ORGANIC MATERIAL

EXISTING BULKHEAD

1/2" DIA. HOT DIPPED GALV. CARLAGE BOLT (W/NUT AND WASHER), 3'-0" MAX. SPACING (TYP)

EXIST. SINK HOLES BEHIND BULKHEAD

3/4" STONE AND FILTER FABRIC
3/4" DIA. X 12' HOT DIPPED GALV. TIE-ROD 5'-0" c/c (TYP.)

6" DIA. DEADMAN (CREOSOTE TREATED TO AWP/PA STANDARDS FOR LAND AND FRESH WATER PILES.)

NUT AND O.G. WASHER (TYP.)

6" DIA. TYP X 8' LONG TIMBER BACK PILE 5'-0" c/c (TYP.) (CREOSOTE TREATED TO AWP/PA STANDARDS FOR LAND AND FRESH WATER PILES.)

APPLICABLE PAVEMENT RESTORATION (SEE DETAIL THIS SHEET)

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SCALE: AS SHOWN
DATE: MAY 3, 2006
SHEET 6 OF 11

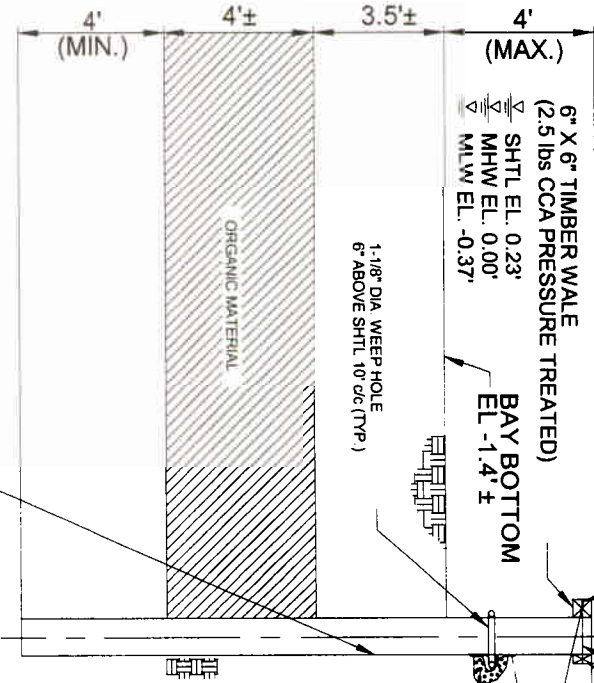
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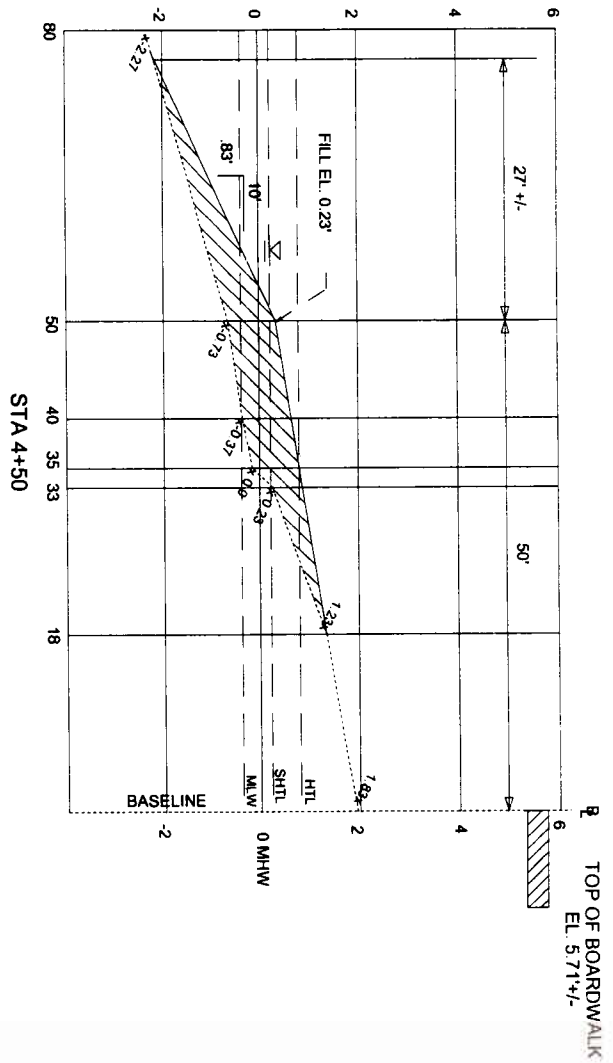
Benjamin Keiser
Supervising Engineer

PROPOSED BULKHEAD SHEET PILING TYPICAL CROSS-SECTION

N.T.S.

ENDURANCE TRI-WEB COMPOSITE SHEET PILE AS SUPPLIED BY NORTHSTAR VINYL PRODUCTS, LENNESAW, GA.





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BOROUGH OF SEASIDE HEIGHTS
COUNTY OF OCEAN

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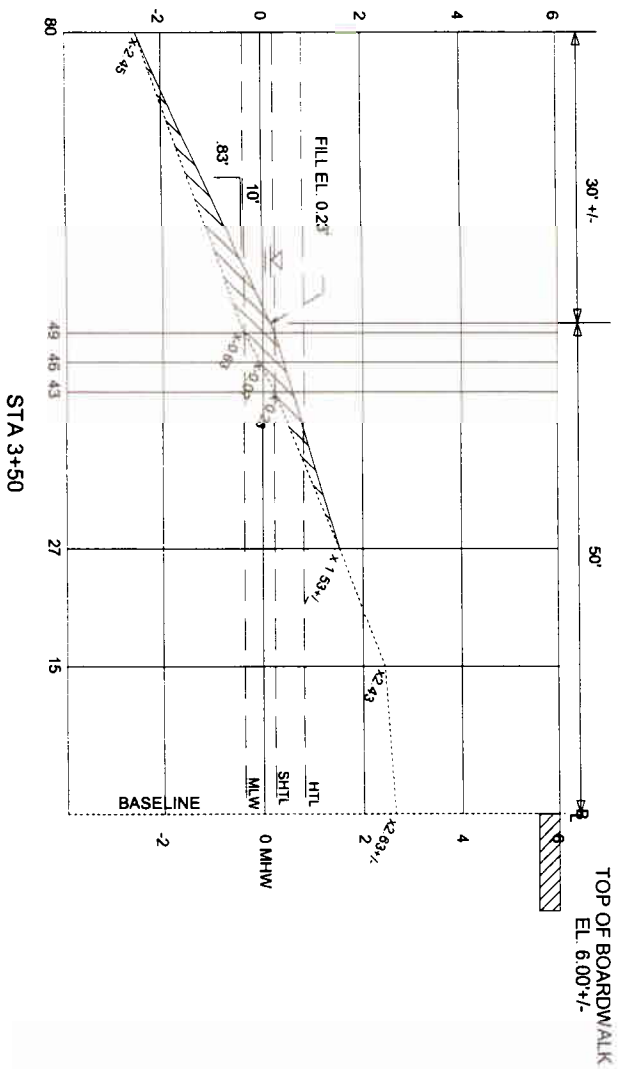
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DATE : MAY 3, 2006

SHEET 7 OF 11

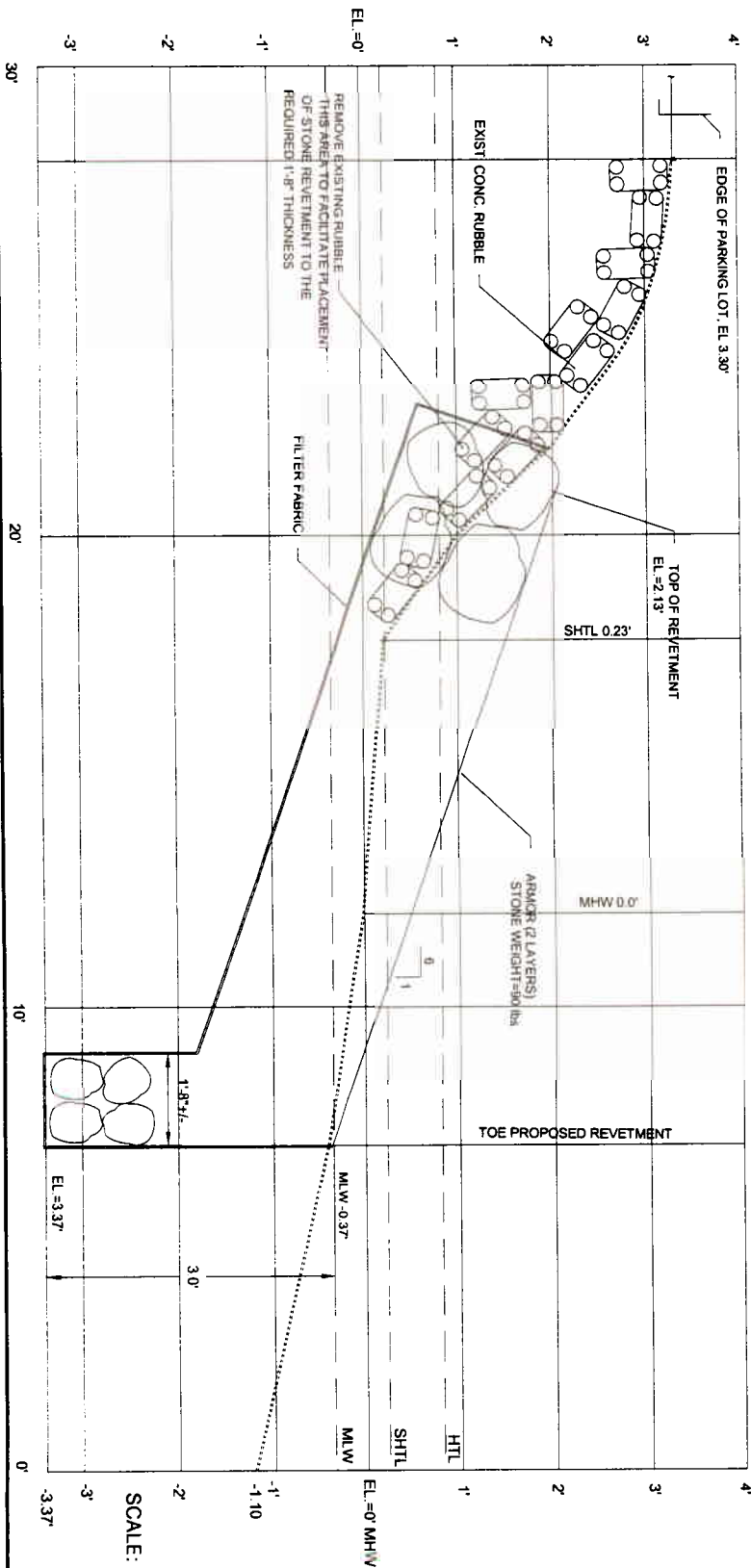
APPROVED BY

Benjamin Heiser
Supervising Engineer



SCALE: 1" = 20' HORIZONTAL
1" = 4' VERTICAL

SECTION A-A



SCALE: 1" = 4' HORIZONTAL
1" = 2' VERTICAL

STATE OF NEW JERSEY
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NORTH BAYSIDE IMPROVEMENT PROJECT
BULKHEAD & STONE REVETMENT PLAN
BOROUGH OF SEASIDE HEIGHTS
COUNTY OF OCEAN

DWN. BY: B.M.C.

SCALE: AS SHOWN

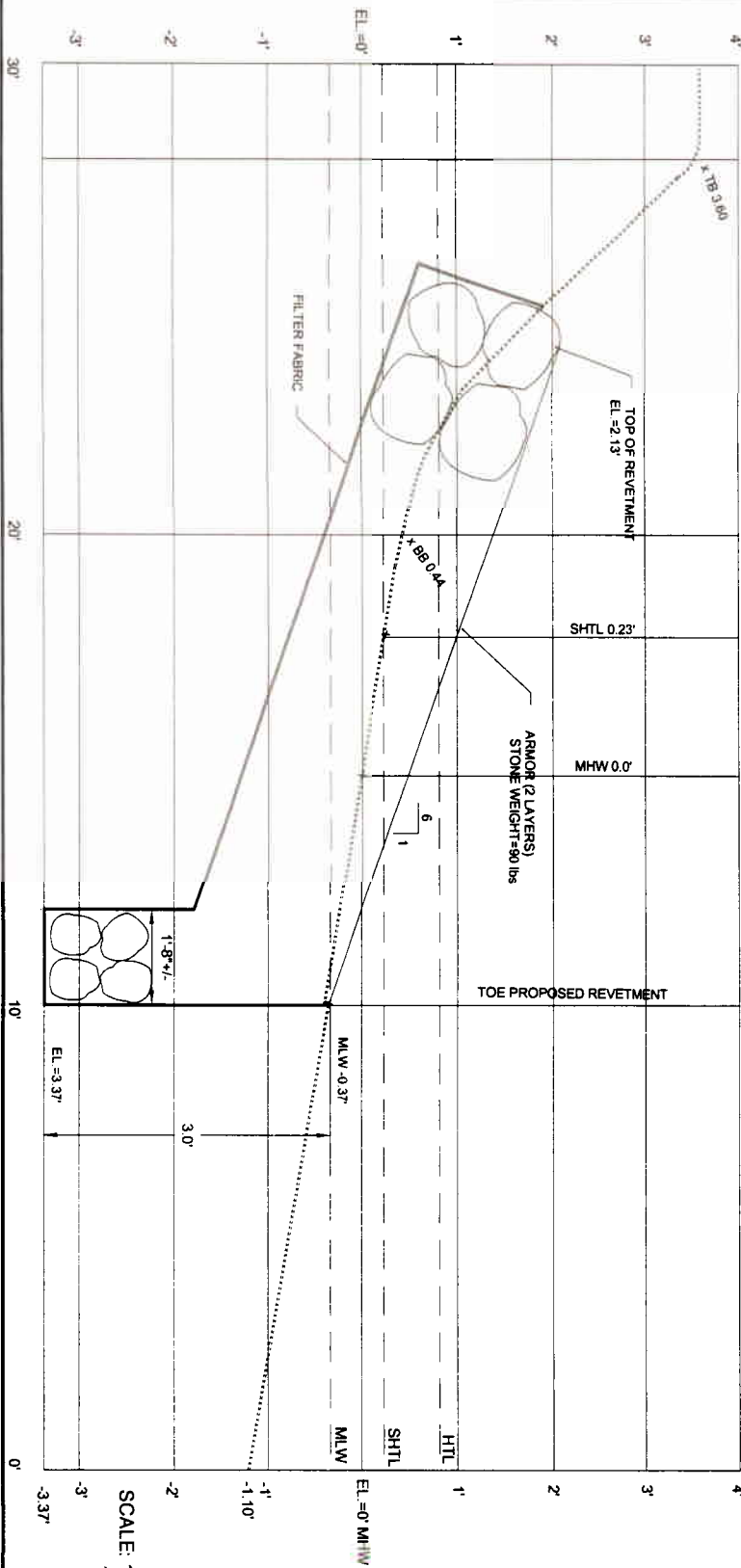
DATE: MAY 3, 2006

SHEET 9 OF 11

APPROVED BY

Benjamin Kessler
Supervising Engineer

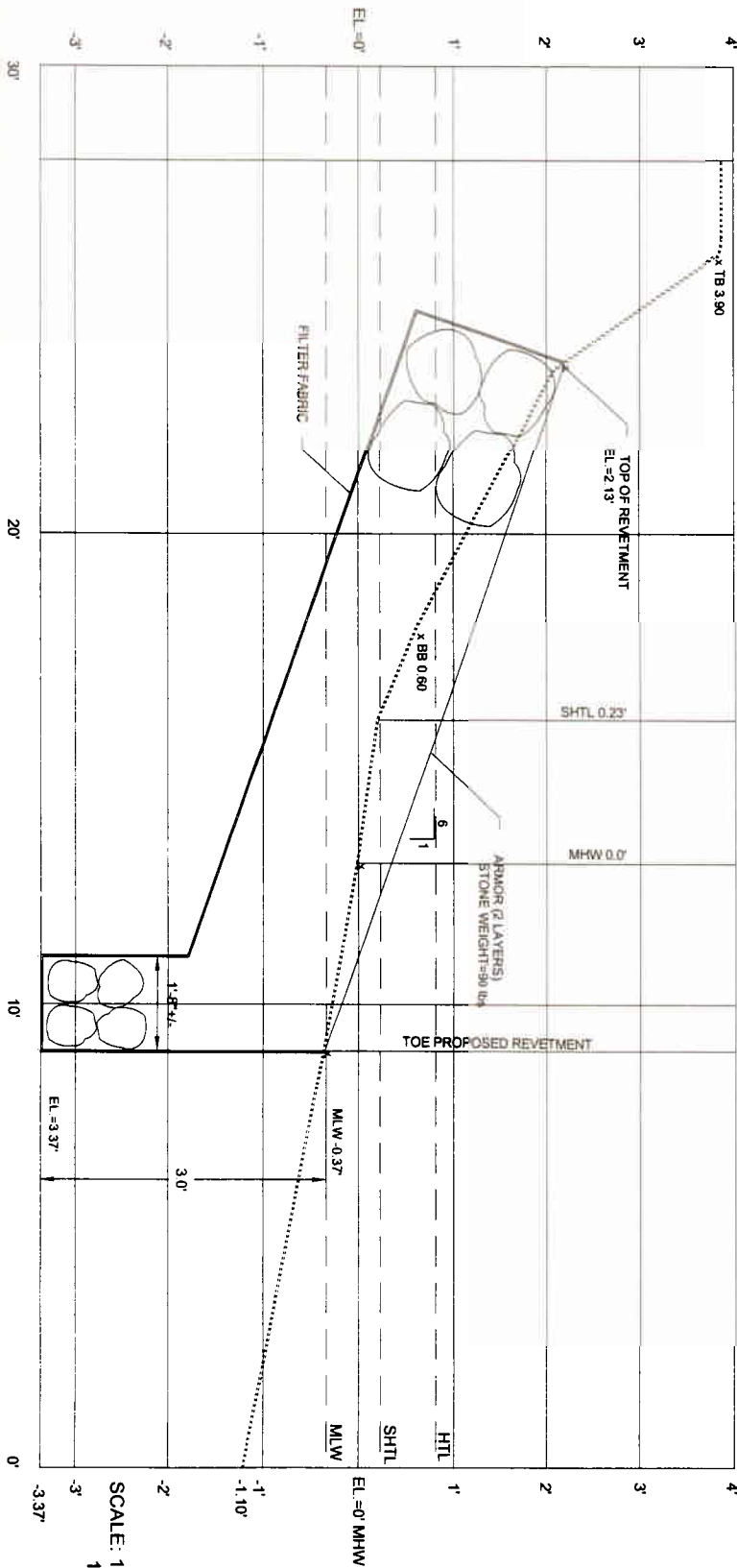
SECTION B-B



SCALE: 1" = 4' HORIZONTAL
1" = 2' VERTICAL

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ENGINEERING & CONSTRUCTION BUREAU OF COASTAL ENGINEERING PROJECT NO. 4160-04	
NORTH BAYSIDE IMPROVEMENT PROJECT BULKHEAD & STONE REVETMENT PLAN BOROUGH OF SEASIDE HEIGHTS COUNTY OF OCEAN	
DWN. BY : B.M.C.	APPROVED BY
SCALE : AS SHOWN	<i>Benjamin Kessler</i> Supervising Engineer
DATE : MAY 3, 2006	
SHEET 10 OF 11	

SECTION C-C



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ENGINEERING & CONSTRUCTION
BUREAU OF COASTAL ENGINEERING
PROJECT NO. 4160-04

NORTH BAYSIDE IMPROVEMENT PROJECT
BULKHEAD & STONE REVETMENT PLAN
BOROUGH OF SEASIDE HEIGHTS
COUNTY OF OCEAN

DWN. BY: B.M.C.

SCALE: AS SHOWN

DATE: MAY 3, 2006

SHEET 11 OF 11

APPROVED BY

Benjamin Heiser
Supervising Engineer